



250 Turnpike Road, Southboro, MA 01772

Fax (508)460-8304  
Phone (508)460-8300

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The following is the procedure for lubricating the drive shafts for the stepper table (film advance) and the lens and camera board on the LS-45. This will eliminate any noises during scanning and hopefully allow the components to achieve the correct positions and produce proper focus.

1. Set film format selection to 35-portrait
2. Power off the scanner and remove the front cover from the scanner as per instructions on page 1.
3. Locate the 2 screw shafts at the rear of tower assembly (see diagram on page 2)
4. Lubricate these 2 shafts with a small amount of TEFLON GEL LUBRICANT PASTE
5. Locate the screw shaft under the stepper table (see diagram on page 3)
6. Turn the slotted screw head on the end of this shaft until the stepper table moves away from you and exposes the entire screw shaft (4-5 inches).
7. Put a small amount of the TEFLON LUBRICANT on the head of a flat head screwdriver and apply it to the screw shaft inside the housing near the other end where the shaft goes into the bearing.
8. Replace the cover and set scanner to self diagnostic mode which will run motors back and forth to spread out the lubricant. See figure 3 for this setting. (Remember to record previous settings to aid in resetting the scanner after you are done). Run the scanner in diagnostic mode for about 20-30 minutes to ensure proper lubrication.
9. Reset the dip switches to the previous settings appropriate for the interface being used, (SCSI or GPIB).
10. Radio Shack part number for the Teflon lubricant is cat. # 64-2326